

Diodes

Zener diode

UMZ8.2T

●Applications

Voltage regulation
(Cathode common twin type)

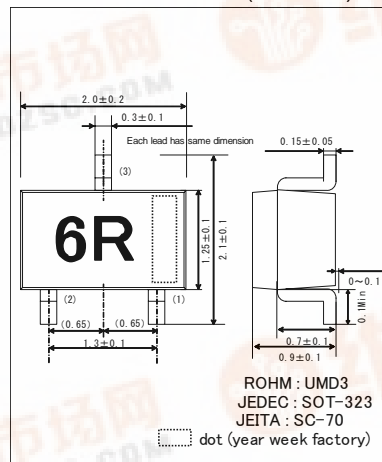
●Features

- 1) Small mold type. (UMD3)
- 2) High reliability.

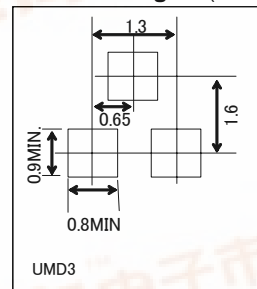
●Construction

Silicon epitaxial planar

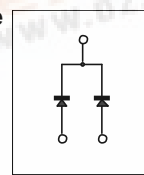
●External dimensions (Unit : mm)



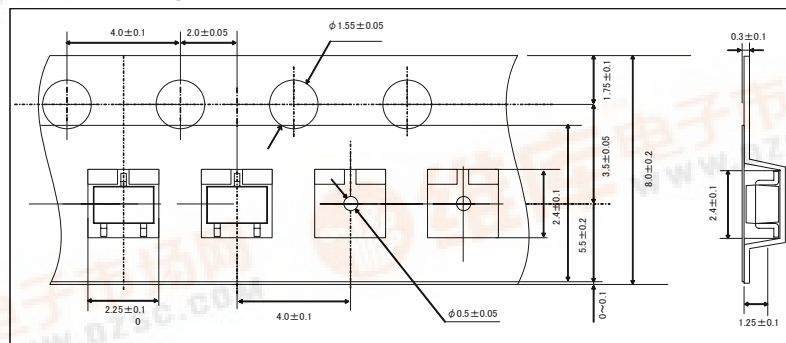
●Land size figure (Unit : mm)



●Structure



●Taping specification (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Power dissipation (*1)	P	200	mW
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

(*1) Total of 2 elements

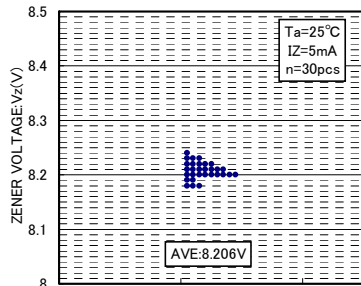
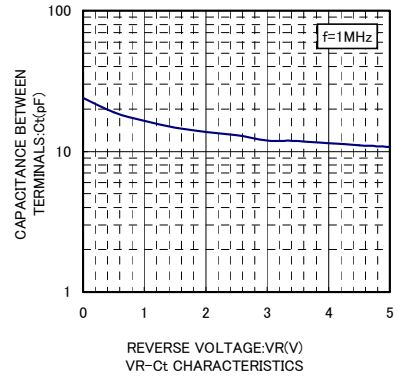
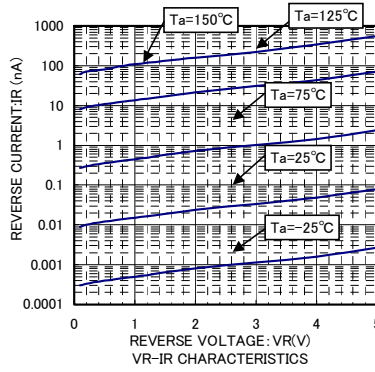
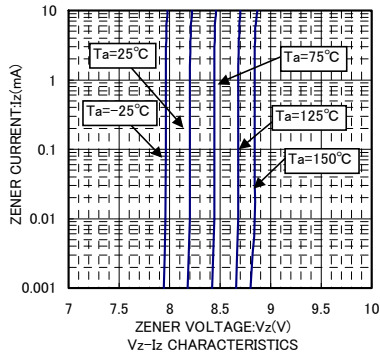
●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Zener voltage	Vz	7.76	-	8.64	V	Iz=5mA
Reverse current	IR	-	-	0.50	µA	VR=5V
Operating resistance	Zz	-	-	30	Ω	Iz=5mA
Rising operating resistance	Zzk	-	-	60	Ω	Iz=0.5mA

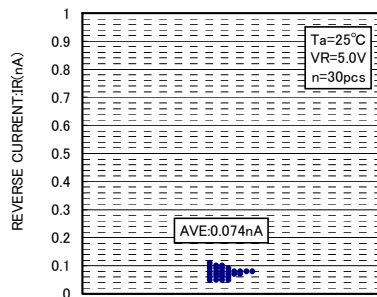


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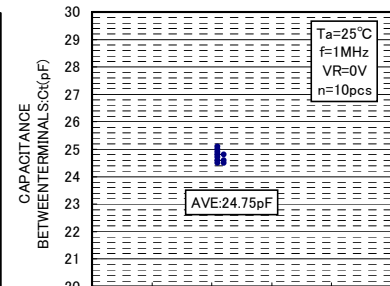
●Electrical characteristic curves (Ta=25°C)



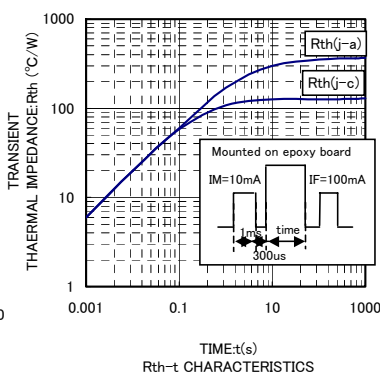
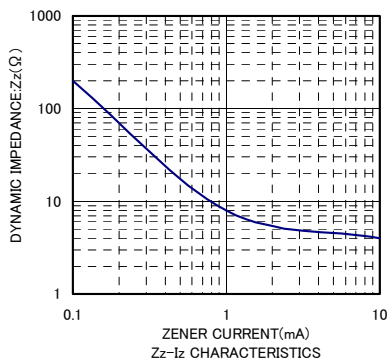
V_Z DISERSION MAP



I_R DISERSION MAP



C_t DISERSION MAP



R_{th}-t CHARACTERISTICS

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